

Site-Wide Environmental Impact Statement for Continued Operation of Sandia National Laboratories/New Mexico (DOE/EIS-0556)

Site Overview

Sandia National Laboratories in New Mexico (SNL/NM) is located within Kirtland Air Force Base (KAFB) to the southeast of Albuquerque. The campus covers about 16,000 acres on U.S. Department of Energy (DOE) fee-owned land and KAFB permitted land and contains over 900 buildings with approximately 7 million square feet. The Site-Wide Environmental Impact Statement (SWEIS) will analyze operations on this DOE fee-owned land and KAFB permitted land.

Operations at SNL/NM support the DOE National Nuclear Security Administration (NNSA) and other federal agencies to ensure the safety, security, and reliability of the nation's nuclear deterrent. SNL/NM personnel maintain specific core competencies in activities associated with research, development, design, and surveillance of nuclear weapons; support the assessment and certification of their safety, reliability, and performance; and produce components for the stockpile. Personnel at SNL/NM also provide non-weapons research and science services in multiple areas, including, but not limited to, waste management, environmental restoration, hazardous and radioactive material transportation, energy efficiency and renewable energy, nuclear energy, fossil energy, magnetic fusion, basic energy sciences, supercomputing, and biological and environmental research.



SNL/NM Facts

Location: Albuquerque, New Mexico
Contract Type: Federally Funded Research and Development Center/Multidisciplinary national security laboratory
Year Founded: 1949
Responsible Field Office: Sandia Field Office
Contractor: National Technology & Engineering Solutions of Sandia, LLC (NTESS)

Core Capabilities

- Weapon Component and System Surveillance and Assessment
- Microsystems Research and Development and Manufacturing
- High-Performance Computing
- Radiation Effects and High Energy Density Physics
- Materials Science & Engineering, and Advanced Manufacturing
- Energetic Materials and Components Science & Engineering
- Agile Component and Systems Design, Engineering, and Integration
- Cyber and Intelligence Science
- Synergistic Global Security Engineering
- Codes, Models, Data Analytics
- Advanced Experimental Diagnostics and Sensors
- Physical and Biological Sciences and Engineering
- Engineering Sciences and Testing
- Enabling Operations

Physical Assets

- 7 million gross square feet (GSF) in active buildings
- 54,000 GSF in 8 non-operational buildings

Unique Program Facilities

- Advanced Manufacturing Processes Laboratory
- Aerial Cable Facility
- Annular Core Research Reactor
- Auxiliary Hot Cell Facility
- Centrifuge Complex
- Coyote Test Field Training Complexes
- Drop Tower/Water Impact Facility
- Environmental Testing Laboratory
- Explosive Components Facility
- Facility for Antenna and Radar Cross-Section Measurements
- Gamma Irradiation Facility
- High Energy Radiation Megavolt Electron Source III
- Ion Beam Laboratory
- Lurance Canyon Burn Site
- Mechanical Shock Test Facility
- Microsystems Engineering Sciences and Applications Complex
- National Solar Thermal Test Facility
- Power Sources Capability & Battery Test Facilities
- Responsive Neutron Generator Product Deployment Center
- Rocket Sled Track Facility
- Sandia Pulsed Reactor Facility
- Saturn Accelerator
- Shock Thermodynamics Applied Research Facility
- Short Pulse High Intensity Nanosecond X-Radiator
- Strategic Defense Facility
- Terminal Ballistics Facility
- Thermal Test Complex
- Thermal Treatment Facility & Light-Initiated High Explosive Facility
- Weapons Integration Facility
- Z Machine

Workforce at SNL/NM

- 13,078 total employees in New Mexico
- 12,635 NTESS employees (as of November 2022)

Economic Impact

New Mexico Gross Receipts Taxes: \$111,700,000 (fiscal year 2022)

NTESS Employee Residence Information (as of November 2022)

- Bernalillo County: 83%
- Sandoval County: 8%
- Valencia County: 5%
- Santa Fe County: 3%
- All Other New Mexico Counties: 1%
- Out of State: <1%

FY2021 Funding by Program Portfolio for Sandia National Laboratories, All Locations (Total: \$4.5 billion)

